ABSTRACT

The activity of 96% ethanol extract of *Syzigium aromaticum* (L.) Merr. leaves to decrease uric acid blood level in potassium oxonate inducing mice

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The aim of this research is to find the activitiy of 96% ethanol extract of *Syzygium aromaticum* (L.) Merr. leaves (single and combination with *Orthosiphon spicatus* extracts and *Kaemferia galanga* extracts) in decreasing uric acid blood level in hyperuricemia mice. Samples were given orally to mice a half hour before the induction of 7 mg/20 g BW potassium oxonate intraperitoneally. Blood sampling performed at 1 h after induction of potassium oxonate, and consecutively in the next at 90, 120, 150 and 180 minute.

The result was examined by two-way anova analysis followed by post-hoct LSD test. Based on the LSD test, there were significant different ($\alpha < 0.05$) between test and control groups. Ethanol extract of *Syzygium aromaticum* (L.) Merr. leaves 1.2 mg/20 g BW had anti hyperuricemia in mice induced by potassium oxonate. Reducing of uric acid blood level that was most effective with combination doses of 1.2 mg/20 g BW *Syzygium aromaticum* extracts, 1.2 mg/20 g BW *Orthosiphon spicatus* extracts, and 0.78 mg/20 g BW *Kaempferia galanga* extracts.

Keyword: *Syzygium aromaticum* (L.) Merr., *Orthosiphon spicatus, Kaempferia galanga*, Hyperurisemia